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References to be taken into consideration to
evaluate patentability:

DE 196 26 837 A1
DE 195 22 165 A1
US 5,599,758
US 5,575,983
US 5,423,181

The following information has been taken from the documents filed by the applicant

54 Process and apparatus for desulfating NOx traps for DI diesel engines

57 In a desulfation process for DI diesel engines, the necessary minimum desulfating temperature is achieved by oxidizing the fuel on the catalytically active surface of an oxidation catalyst connected upstream of a NOx trap. After the necessary desulfating temperature has been reached, desulfation of the catalysts of the exhaust system is carried out by providing an almost oxygen-free exhaust stream containing 1% to 10% CO.

[see source for figure]

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